

Abstract

5 Methods and kits for radiolabeling proteins, peptides and ligands with radiolytic isotopes, particularly yttrium-90, are disclosed, whereby sufficient purity, specific activity and binding affinity are achieved such that the radiolabeled protein may be directly administered to a patient without further column purification. Such kits and methods will be particularly useful in bringing radioimmunotherapy to the hospital and outpatient setting for the treatment of cancer.